

## ABSTRACT OF THE DISCLOSURE

A receive system providing enhanced Signal to Noise performance is applicable to a wide variety of applications including both wireless and wireline systems which further include internet type communications. Received signals are converted to digital values and stored in a manner which enables subsequent processing directed to improving the resolution of the received signals and to reduce the associated noise corresponding to the received data samples. The Signal-to-Noise ratio of the received data signals is improved as a result of processing techniques made possible by the digitally stored nature of the received data and a unique iterative data processing method.